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1631
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Express Mail No.: ED 627 377 185 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Usuka *et al.*

Confirmation Number: 3878

Serial No.: 10/015,167

Group Art Unit: 1631

Filed: December 11, 2001

Examiner: Cheyne D. Ly

For: SYSTEM AND METHOD FOR
PREDICTING CHROMOSOMAL
REGIONS THAT CONTROL
PHEONOTYPIC TRAITS

Attorney Docket No.: 9080-016-999

RESPONSE TO OFFICE COMMUNICATION MAILED APRIL 7, 2005

Mail Stop Amendment
COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

In response to the Office Communication mailed on April 7, 2005, Applicants submit herewith a substitute Amendment Under 37 C.F.R. § 1.111, originally filed on January 18, 2005, in the above-identified application.

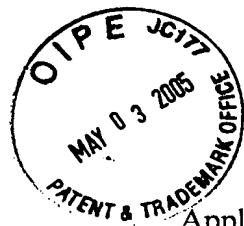
In the substitute amendment, claims 39 and 41, line 1, have been amended by deleting the first strikethrough phrase "The computer program product of claim 26," which had previously been deleted by strikethrough in the amendment filed on September 16, 2004 and therefore should not have been present. No other changes have been made and it is believed that this substitute Amendment is now in compliance with 37 CFR 1.111.

No additional fee is believed due for filing this response. However, if a fee is due, please charge such fee to Jones Day Deposit Account No. 50-3013.

Respectfully submitted,


Brett Lovejoy 42,813
JONES DAY (Reg. No.)
222 East 41st Street
New York, New York 10017-6702
(415) 875-5744

Date: May 3, 2005



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SUBSTITUTE AMENDMENT UNDER 37 C.F.R. § 1.111

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

In response to the Office Action mailed on October 19, 2004 in connection with the above-captioned patent application, please consider the following remarks.

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims that begins on page 4 of this paper.

Remarks / Arguments begin on page 18 of this paper.